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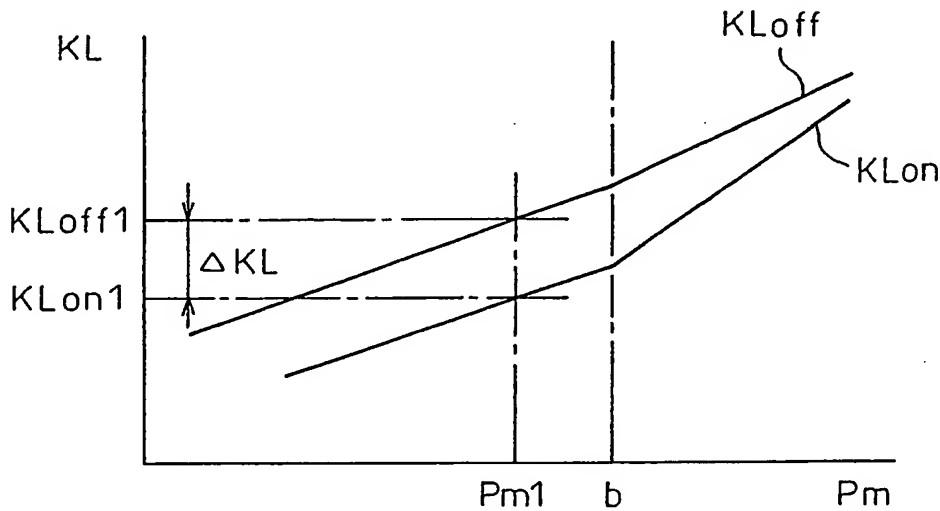
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS FOR CALCULATING AMOUNT OF RECIRCULATED EXHAUST GAS FOR INTERNAL COMBUSTION ENGINE



(57) Abstract: An intake pipe downstream of a throttle valve is interconnected with an exhaust pipe via an EGR supply pipe and an EGR control valve is disposed in the EGR supply pipe. An engine load ratio (KLoff) in the engine steady operation with the EGR gas being not supplied, and another engine load ratio KLon in the engine steady operation with the EGR gas being supplied are expressed with respective linear functions of an intake pipe pressure (Pm) and stored in advance. The intake pipe pressure (Pm) is detected, KLoff and KLon are calculated from the detected intake pipe pressure (Pm) using the linear function expressions and, then, a difference between these values (KL (= KLoff - KLon)) is calculated. Based on the difference ((KL), the EGR control valve passing-through gas amount, which is an amount of the EGR gas passing through the EGR control valve, is calculated.

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## INTERNATIONAL SEARCH REPORT

Inter. Application No  
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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F02D21/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F02D F02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 791 319 A (FRIEDRICH ARNO ET AL) 11 August 1998 (1998-08-11) abstract column 2, line 10 - line 46	1,2,17
X	EP 0 791 736 A (TOYOTA MOTOR CO LTD) 27 August 1997 (1997-08-27) abstract column 7, line 45 -column 8, line 26 column 9, line 24 - line 36	1,2,17
A	EP 0 485 089 A (HITACHI LTD) 13 May 1992 (1992-05-13) figures 17,20	1
A	DE 35 03 798 A (BOSCH GMBH ROBERT) 7 August 1986 (1986-08-07) abstract	1

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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## Information on patent family members

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